



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/786,478
Source: 1 fws
Date Processed by STIC: 8/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

~~TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER~~
~~VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND~~
~~TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:~~

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. ~~Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):~~
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/786,478</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u> </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u> </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u> </u> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u> </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u> </u> Variable Length	Sequence(s) <u> </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u> </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u> </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u> </u> Skipped Sequences (OLD RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u> </u> Skipped Sequences (NEW RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u> </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u> </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u> </u> Use of <220>	Sequence(s) <u> </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u> </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u> </u> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

RAW SEQUENCE LISTING

DATE: 08/23/2004

PATENT APPLICATION: US/10/786,478

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt

Output Set: N:\CRF4\08232004\J786478.raw

3 <110> APPLICANT: Chen, Jingcai
 4 Kuei, Chester
 5 Liu, Changlu W.
 6 Lovenberg, Timothy W.
 7 Sillard, Rannar W.
 8 Sutton, Steven W.

10 <120> TITLE OF INVENTION: RELAXIN3-GPCR 135 COMPLEXES AND THEIR PRODUCTION AND USE
 12 <130> FILE REFERENCE: PRD2045NP-US

C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/786,478
 C--> 14 <141> CURRENT FILING DATE: 2004-02-25

14 <150> PRIOR APPLICATION NUMBER: US 60/451,702
 15 <151> PRIOR FILING DATE: 2003-03-04
 17 <160> NUMBER OF SEQ ID NOS: 28
 19 <170> SOFTWARE: PatentIn version 3.2

21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 40
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Primer *(global era)* *invalid <213> response. see item 10 on Error*
 26 <400> SEQUENCE: 1 *summary sheet*
 27 acagctcgag gccaccatgc agatggccga tgcagccacg 40.
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 39
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Primer *same error*
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 41 <212> TYPE: DNA
 42 <213> ORGANISM: Primer
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 50 <212> TYPE: DNA
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 58 <211> LENGTH: 47
 59 <212> TYPE: DNA
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Output Set: N:\CRF4\08232004\J786478.raw

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67 <211> LENGTH: 41

68 <212> TYPE: DNA

69 <213> ORGANISM: Primer

71 <400> SEQUENCE: 6

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75 <210> SEQ ID NO: 7

76 <211> LENGTH: 45

77 <212> TYPE: DNA

78 <213> ORGANISM: Primer

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84 <210> SEQ ID NO: 8

85 <211> LENGTH: 1410

86 <212> TYPE: DNA

87 <213> ORGANISM: Homo sapiens

89 <400> SEQUENCE: 8

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94 gcgtcgctgc agcttccgga cttgtggtgg gagctggggc tggagttgcc ggacggcgcg 180

96 ccgccaggac atcccccgga cagcggcggg gcagagagcg cggacacaga ggcccgggtg 240

98 cggattctca tcagcgtggg gtactgggtg gtgtgcgccc tgggggttggc gggcaacctg 300

100 ctggttctct acctgatgaa gagcatgcag ggctggcgca agtcctctat caacctcttc 360

102 gtcaccaacc tggcgctgac ggactttcag tttgtgctca ccctgccctt ctggggcggtg 420

104 gagaacgctc ttgacttcaa atggcccttc ggcaaggcca tgtgtaagat cgtgtccatg 480

106 gtgacgtcca tgaacatgta cgccagcgtg ttcttctcca ctgccatgag tgtgacgcgc 540

108 taccattcgg tggcctcggc tctgaagagc caccggaccg gaggacacgg ccggggcgac 600

110 tgctgcggcc ggagcctggg ggacagctgc tgcttctcgg ccaaggcgct gtgtgtgtgg 660

112 atctgggctt tggcgcgct ggccctcgctg ccagtgcca tttctccac cacggtcaag 720

114 gtgatgggag aggagctgtg cctggtgctg ttcccgga agttgctggg ccgcgacagg 780

116 cagttctggc tgggcctcta cactcgcag aaggtgctgc tgggcttcgt gctgccgctg 840

118 ggcattatta tcttgtgcta cctgctgctg gtgcgcttca tcgccgaccg ccgcgcgggc 900

120 gggaccaaag gaggggcccgc ggtagccgga ggacgcccga ccggagccag cggccggaga 960

122 ctgtcgaagg tcaccaaata agtgaccatc gttgtcctgt ccttcttctt gtgttggtg 1020

124 cccaaccagg cgctcaccac ctggagcatc ctcatcaagt tcaacgggt gcccttcagc 1080

126 caggagtatt tcctgtgcca ggtatacgcg ttccctgtga gcgtgtgcct agcgactcc 1140

128 aacagctgcc tcaaccccg cctctactgc ctctgctgcc gcgagttccg caaggcgctc 1200

130 aagagcctgc tgtggcgcat cgcgtctcct tcgatcacca gcagcgccc ctacacgcc 1260

132 actaccaagc cggagcacga ggatcagggg ctgcaggccc cggcgccgcc ccacggggc 1320

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142 <213> ORGANISM: Mouse

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147 ctctcagaat tcttcgctct gacccagac ttgctggaag tggccaacgc cagcggcaat 120

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt

Output Set: N:\CRF4\08232004\J786478.raw

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153	cggatcctca	tcagcgcggg	ttactgggtg	gtttgtgccc	tgggactggc	cggcaacctg	300
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161	gtgacatcca	tgaacatgta	cgccagcgct	ttcttcctca	ctgctatgag	cgtggcgcg	540
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167	atctgggctt	cggctgcgct	ggcctcgctg	cccaatgcca	ttttttccac	caccatcagg	720
169	gtgttggttg	aggagctctg	cctcatgcac	tttccagaca	agctactggg	ctgggacagg	780
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181	cccttcagcc	aggagtactt	tcagtgccaa	gtgtacgcgt	tccagtcag	cgtgtgcctg	1140
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185	aaggcgctca	agaacctgct	gtggcggata	gcctcgctt	cgtccacca	catgcgccct	1260
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238	agcgtgtgcc	tggcacactc	caacagctgc	ctcaacccca	tcctctactg	cttagtgccg	1200
240	cgcgagttcc	gcaaggcgct	caagaacctg	ctgtggcgta	tagcatcgcc	ttcgtccacc	1260
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

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TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt

Output Set: N:\CRF4\08232004\J786478.raw

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244 ctggcgccac ttaatgctac tgcagagcct gacctgatct actatccacc cgggtgtggtg 1380
246 gtctacagcg gaggtcgcta cgaccttctc cctagcagct ctgcctactg a 1431
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251 <212> TYPE: DNA
252 <213> ORGANISM: Rat
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259 gcgtcgctgc agcttcagga cttgtggtgg gagctggggc tggagttgcc cgacgggtgcg 180
261 gcgcctgggc atccccggg cagcgggtgg gcagagagcg cggacacaga ggccagggtta 240
263 cggatcctca tcagcgccgt ttactgggtg gtttgtgccc tgggactggc tggcaacctg 300
265 ctggttctct acctgatgaa gagcaaacag ggctggcgca aatcctccat taacctcttt 360
267 gtcactaacc tggcgctgac tgactttcag tttgtgctca ctctgccctt ctgggcgggtg 420
269 gagaacgcac tagatttcaa gtggcccttt ggcaaggcca tgtgtaagat cgtatctatg 480
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307 <213> ORGANISM: Homo sapiens
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319 Glu Ala Ala Asn Thr Ser Gly Asn Ala Ser Leu Gln Leu Pro Asp Leu
320 35 40 45
323 Trp Trp Glu Leu Gly Leu Gly Leu Pro Asp Gly Ala Pro Pro Gly His
324 50 55 60
327 Pro Pro Gly Ser Gly Gly Ala Glu Ser Ala Asp Thr Glu Ala Arg Val
328 65 70 75 80
331 Arg Ile Leu Ile Ser Val Val Tyr Trp Val Val Cys Ala Leu Gly Leu
332 85 90 95
335 Ala Gly Asn Leu Leu Val Leu Tyr Leu Met Lys Ser Met Gln Gly Trp

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Output Set: N:\CRF4\08232004\J786478.raw

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339 Arg Lys Ser Ser Ile Asn Leu Phe Val Thr Asn Leu Ala Leu Thr Asp
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343 Phe Gln Phe Val Leu Thr Leu Pro Phe Trp Ala Val Glu Asn Ala Leu
344          130          135          140
347 Asp Phe Lys Trp Pro Phe Gly Lys Ala Met Cys Lys Ile Val Ser Met
348 145          150          155          160
351 Val Thr Ser Met Asn Met Tyr Ala Ser Val Phe Phe Leu Thr Ala Met
352          165          170          175
355 Ser Val Thr Arg Tyr His Ser Val Ala Ser Ala Leu Lys Ser His Arg
356          180          185          190
359 Thr Arg Gly His Gly Arg Gly Asp Cys Cys Gly Arg Ser Leu Gly Asp
360          195          200          205
363 Ser Cys Cys Phe Ser Ala Lys Ala Leu Cys Val Trp Ile Trp Ala Leu
364          210          215          220
367 Ala Ala Leu Ala Ser Leu Pro Ser Ala Ile Phe Ser Thr Thr Val Lys
368 225          230          235          240
371 Val Met Gly Glu Glu Leu Cys Leu Val Arg Phe Pro Asp Lys Leu Leu
372          245          250          255
375 Gly Arg Asp Arg Gln Phe Trp Leu Gly Leu Tyr His Ser Gln Lys Val
376          260          265          270
379 Leu Leu Gly Phe Val Leu Pro Leu Gly Ile Ile Ile Leu Cys Tyr Leu
380          275          280          285
383 Leu Leu Val Arg Phe Ile Ala Asp Arg Arg Ala Ala Gly Thr Lys Gly
384          290          295          300
387 Gly Ala Ala Val Ala Gly Arg Pro Thr Gly Ala Ser Ala Arg Arg
388 305          310          315          320
391 Leu Ser Lys Val Thr Lys Ser Val Thr Ile Val Val Leu Ser Phe Phe
392          325          330          335
395 Leu Cys Trp Leu Pro Asn Gln Ala Leu Thr Thr Trp Ser Ile Leu Ile
396          340          345          350
399 Lys Phe Asn Ala Val Pro Phe Ser Gln Glu Tyr Phe Leu Cys Gln Val
400          355          360          365
403 Tyr Ala Phe Pro Val Ser Val Cys Leu Ala His Ser Asn Ser Cys Leu
404          370          375          380
407 Asn Pro Val Leu Tyr Cys Leu Val Arg Arg Glu Phe Arg Lys Ala Leu
408 385          390          395          400
411 Lys Ser Leu Leu Arg Arg Ile Ala Ser Pro Ser Ile Thr Ser Met Arg
412          405          410          415
415 Pro Phe Thr Ala Thr Thr Lys Pro Glu His Glu Asp Gln Gly Leu Gln
416          420          425          430
419 Ala Pro Ala Pro Pro His Ala Ala Ala Glu Pro Asp Leu Leu Tyr Tyr
420          435          440          445
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427 Ser Ser Ser Ala Tyr
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432 <211> LENGTH: 472

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:33

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt

Output Set: N:\CRF4\08232004\J786478.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No.

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date